

ABSTRACT

A reference vibration generator 1 receives transmission waves from all reference vibration generators including itself as transmission/reception waves $k k_0 \Sigma P_i$ (Σ is the sum of $i=1$ to N), amplifies them by an amplifier 3, superimposes them with a part of an output P_i from an limit cycle vibration circuit and inputs them into the limit cycle vibration circuit to thereby perform limit cycle vibration, and transmits a part of the output $Q_i = k_0 P_j$ to the outside. With the limit cycle vibration performed cooperatively by the whole systems, transmission waves are automatically modulated, whereby mutual synchronization is realized among reference vibration generators built in or added to a plurality of system units arranged distributively